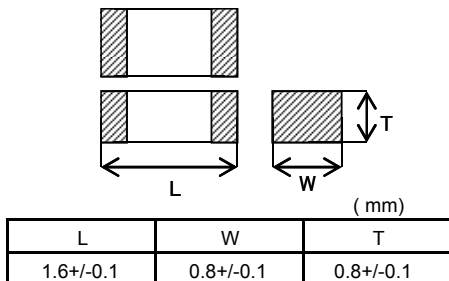


# Chip Monolithic Ceramic Capacitor Electrical Characteristics Data



Murata Global Part No	Size (inch/mm)	Temp. Chara.	Cap.Value	Cap.Tol.	Volt.
GRM188R61H105KAAL	0603/1608	X5R	1uF	+/-10%	50V

## 1. Dimension



## 2. Cap,DF,IR

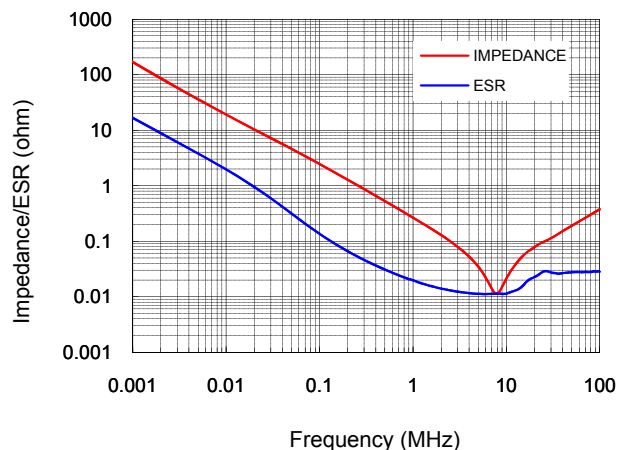
Capacitance,DF 1kHz , 1Vrms

IR 50V , 60s

Item	Spec
Cap.[μF]	0.9 to 1.1
DF	0.1 max
IR[M ohm]	50 min

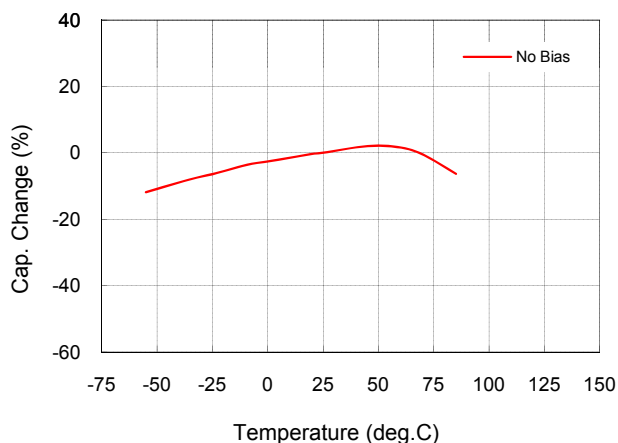
## 3. Impedance/ESR - Frequency

HP4294A (42942A+SMA Connector)



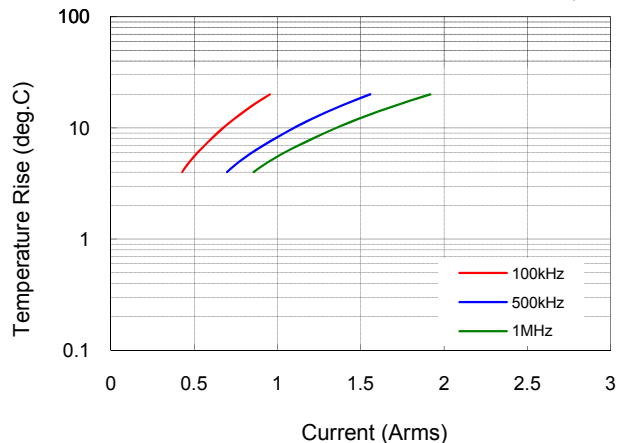
## 4. Capacitance - Temperature Characteristics

1kHz , 1Vrms Equipment: HP4284A



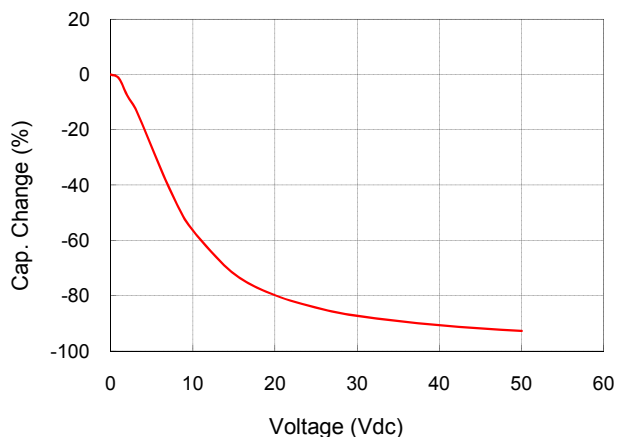
## 5. Temperature Rise - Ripple Current(Only for reference)

Equipment: Temperature Rise - Ripple Current Measurement system



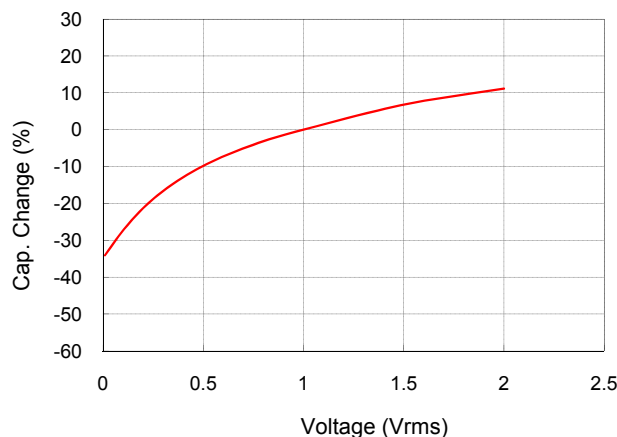
## 6. Capacitance - DC Voltage Characteristics

1kHz , 1Vrms Equipment: HP4284A



## 7. Capacitance - AC Voltage Characteristics

1kHz Equipment: HP4284A



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